Unit. $AB := 1$ $AF := 2.10167$

Given. $X := 10$

$Y := 3$

Conic Curve of the Equation

Descriptions.

$AC := AB \cdot \frac{Y}{X}$ $BC := AB - AC$ $AD := AB$

$BE := AB \cdot \frac{BC}{AC}$ $FG := BE \cdot \frac{AF}{AB}$ $BJ := FG$

$BF := AF - AB$ $FJ := \sqrt{BJ^2 - BF^2}$

Definitions.

$AC - \frac{Y}{X} = 0$ $BC - \frac{X - Y}{X} = 0$ $AD - 1 = 0$

$BE - \frac{X - Y}{Y} = 0$ $FG - \frac{AF \cdot (X - Y)}{Y} = 0$

$BF - (AF - 1) = 0$

$FJ - \frac{\sqrt{(AF \cdot X - Y) \cdot (Y + AF \cdot X - 2 \cdot AF \cdot Y)}}{\sqrt{Y^2}} = 0$

$FJ - \frac{\sqrt{[(AC - AF) \cdot (2 \cdot AC \cdot AF - AF - AC)]}}{\sqrt{AC^2}} = 0$

$e := \frac{X - Y}{Y}$ $FJ - e \cdot \frac{\sqrt{(AF - AC) \cdot (AC + AF - 2 \cdot AC \cdot AF)}}{1 - AC} = 0$

A = 0.00000

B = 1.00000

C = 0.60908

E = 0.64181

F = 1.33969

G = 0.85983

J = 0.78988

B-C = 0.39092

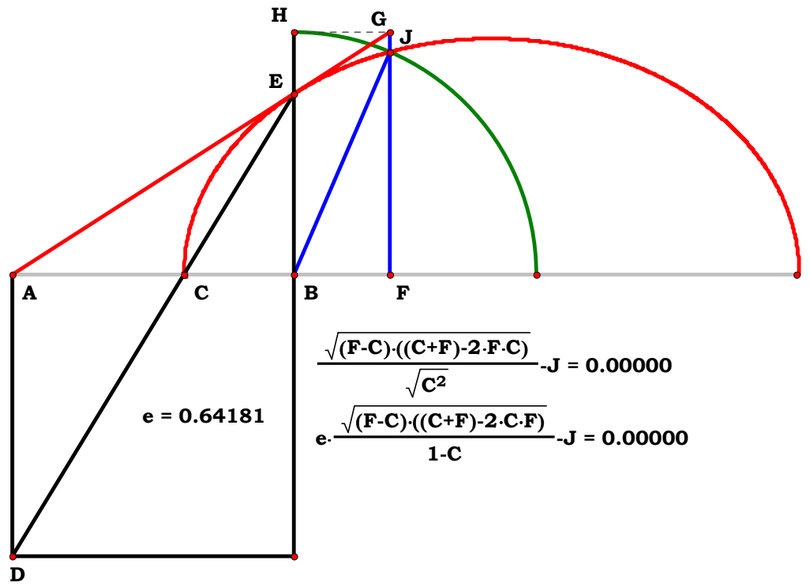
$\frac{(B-C)}{C}$ = 0.64181

$\frac{\sqrt{(C-F)\cdot(2\cdot C\cdot F-F-C)}}{\sqrt{C^2}}$ -J = 0.00000

$\frac{\sqrt{(F-C)\cdot((C+F)-2\cdot F\cdot C)}}{\sqrt{C^2}}$ = 0.78988

$\frac{\sqrt{(C-F)\cdot(2\cdot C\cdot F-F-C)}}{\sqrt{C^2}}$ = 0.78988

$\frac{\sqrt{(F-C)\cdot((C+F)-2\cdot C\cdot F)}}{1-C}$ = 1.23071



$\frac{\sqrt{(F-C)\cdot((C+F)-2\cdot F\cdot C)}}{\sqrt{C^2}}$ -J = 0.00000

$e\cdot\frac{\sqrt{(F-C)\cdot((C+F)-2\cdot C\cdot F)}}{1-C}$ -J = 0.00000